CALGARY EVENT CENTRE

ISSUED FOR DEVELOPMENT PERMIT - 2021-08-03

DRAWING LIST - ARCHITECTURAL

DPA0.000 COVER SHEET
DPA0.101 PROJECT DATA AND FLOODWAY LOCATION PLAN
DPA1.101 EXISTING - SITE SURVEY
DPA1.102 SITE PHOTOS
DPA1.103 SITE PHOTOS
DPA1.104 SITE PLAN - OVERALL
DPA1.105 WASTE COLLECTION ANALYSIS
DPA1.106 WASTE COLLECTION ANALYSIS
DPA1.107 VEHICLE SWEPT PATHS AT PARKADE/LOADING ACCESS
DPA1.108 FIRE TRUCK CIRCULATION
DPA1.109 SITE ANALYSIS - SHADOW STUDY
DPA2.100 EVENT LEVEL - OVERALL FLOOR PLAN
DPA2.200 MAIN CONCOURSE - OVERALL FLOOR PLAN
DPA2.300 CLUB MEZZANINE - OVERALL FLOOR PLAN
DPA2.400 PREMIUM LEVEL - OVERALL FLOOR PLAN
DPA2.500 UPPER CONCOURSE - OVERALL FLOOR PLAN
DPA2.550 UPPER BOWL - OVERALL FLOOR PLAN
DPA2.600 BALCONY LEVEL - OVERALL FLOOR PLAN
DPA2.700 ROOF - OVERALL FLOOR PLAN
DPA4.001 EXTERIOR ELEVATIONS - NORTH AND EAST
DPA4.002 EXTERIOR ELEVATIONS - SOUTH AND WEST
DPA4.051 EXTERIOR 3D VIEWS
DPA4.052 EXTERIOR 3D VIEWS
DPA4.053 EXTERIOR 3D VIEWS
DPA4.100 BUILDING SECTIONS - OVERALL
DPA4.120 PARKADE PLANS AND SECTIONS

DRAWING LIST - ELECTRICAL

DPE1.100 ELECTRICAL SITE PLAN
DPE1.101 25 KV SERVICE ENTRANCE SECTIONS AND DETAILS
DPE1.200 LIGHTING SITE PLAN
DPE1.201 SITE PLAN LIGHTING FIXTURE SCHEDULE
DPE1.202 SITE PLAN LIGHTING FIXTURE CUTS
DPE1.203 SITE PLAN LIGHTING FIXTURE CUTS
DPE1.204 SITE LIGHTING PLAN FAÇADE ELEVATIONS
DPE1.205 SITE LIGHTING PLAN FAÇADE ELEVATIONS

DRAWING LIST - LANDSCAPE

DPL0.100 LANDSCAPE BYLAW PLAN
DPL1.100 OVERALL LANDSCAPE PLAN
DPL1.110 HARDSCAPE FINISH PLAN
DPL1.200 SOFTSCAPE PLAN
DPL2.100 ROAD CROSS SECTIONS

DRAWING LIST - CIVIL

DPC1.01 DEEP UTILITIES SERVICING PLAN
DPC1.02 SHALLOW UTILITIES SERVICING PLAN

DRAWING LIST - TECHNOLOGY

DPT1.100 TECHNOLOGY SITE PLAN

DIALOG

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PERMIT TO PRACTICE
ROBERT A.F. ANDERSON
ALBERTA

CALGARY EVENT CENTRE

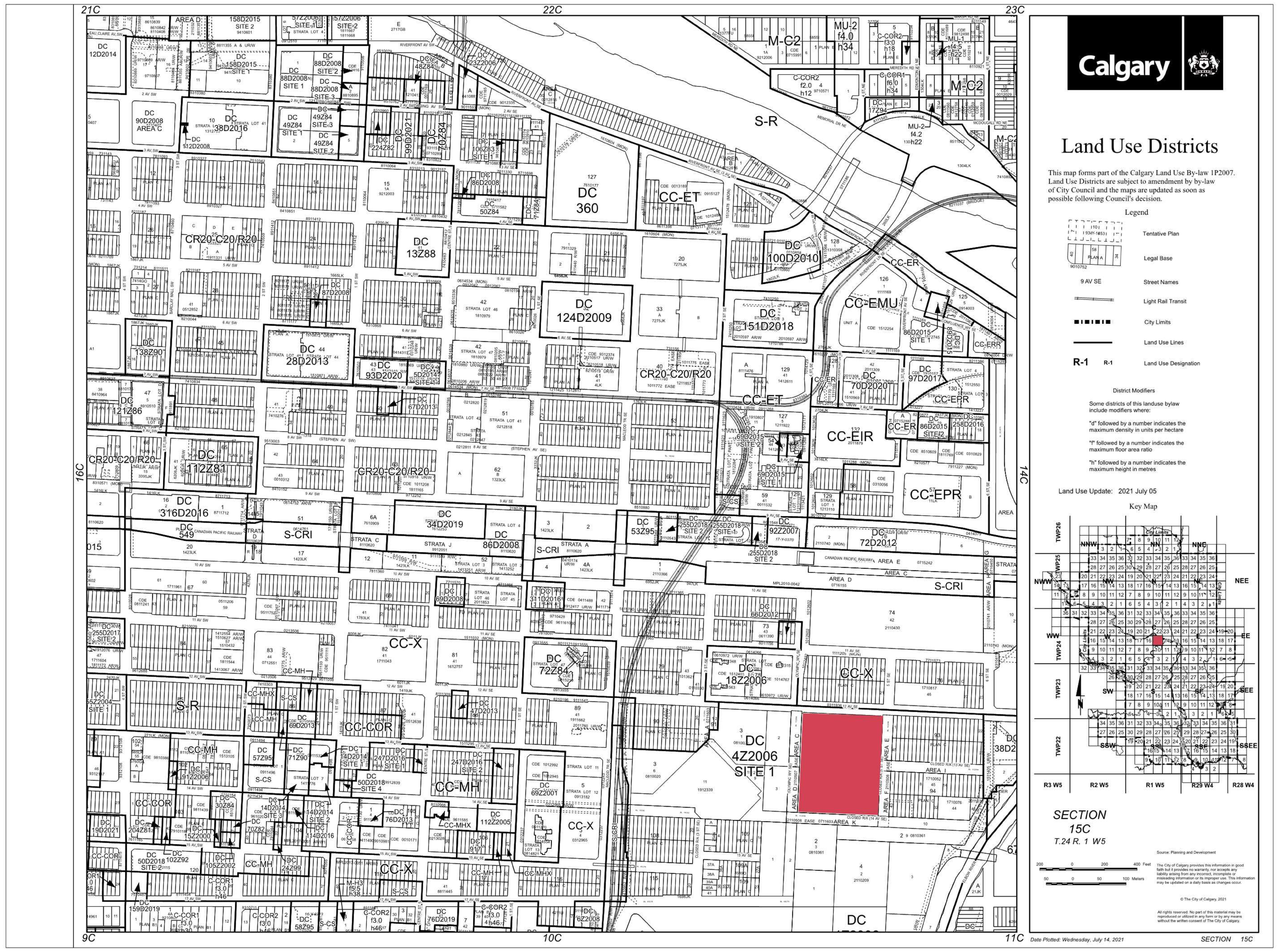
519 - 12th AVE SE, CALGARY, AB

COVER SHEET

DPA0.000

2001931

PLOT DATE:8/3/2021 2:42:08 PM


Calgary
Land Use Districts
This map forms part of the Calgary Land Use By-law 1P2007. Land Use Districts are subject to amendment by by-law of City Council and the maps are updated as soon as possible following Council's decision.
Legend
Tentative Plan
Legal Base
9 AV SE
Street Names
Light Rail Transit
City Limits
Land Use Lines
R-1
Land Use Designation
District Modifiers
Some districts of this landuse bylaw include modifiers where:
"d" followed by a number indicates the maximum density in units per hectare
"f" followed by a number indicates the maximum floor area ratio
"h" followed by a number indicates the maximum height in metres
Land Use Update: 2021 July 05
Key Map
SECTION
15C
T.24 R. 1 W5
Source: Planning and Development
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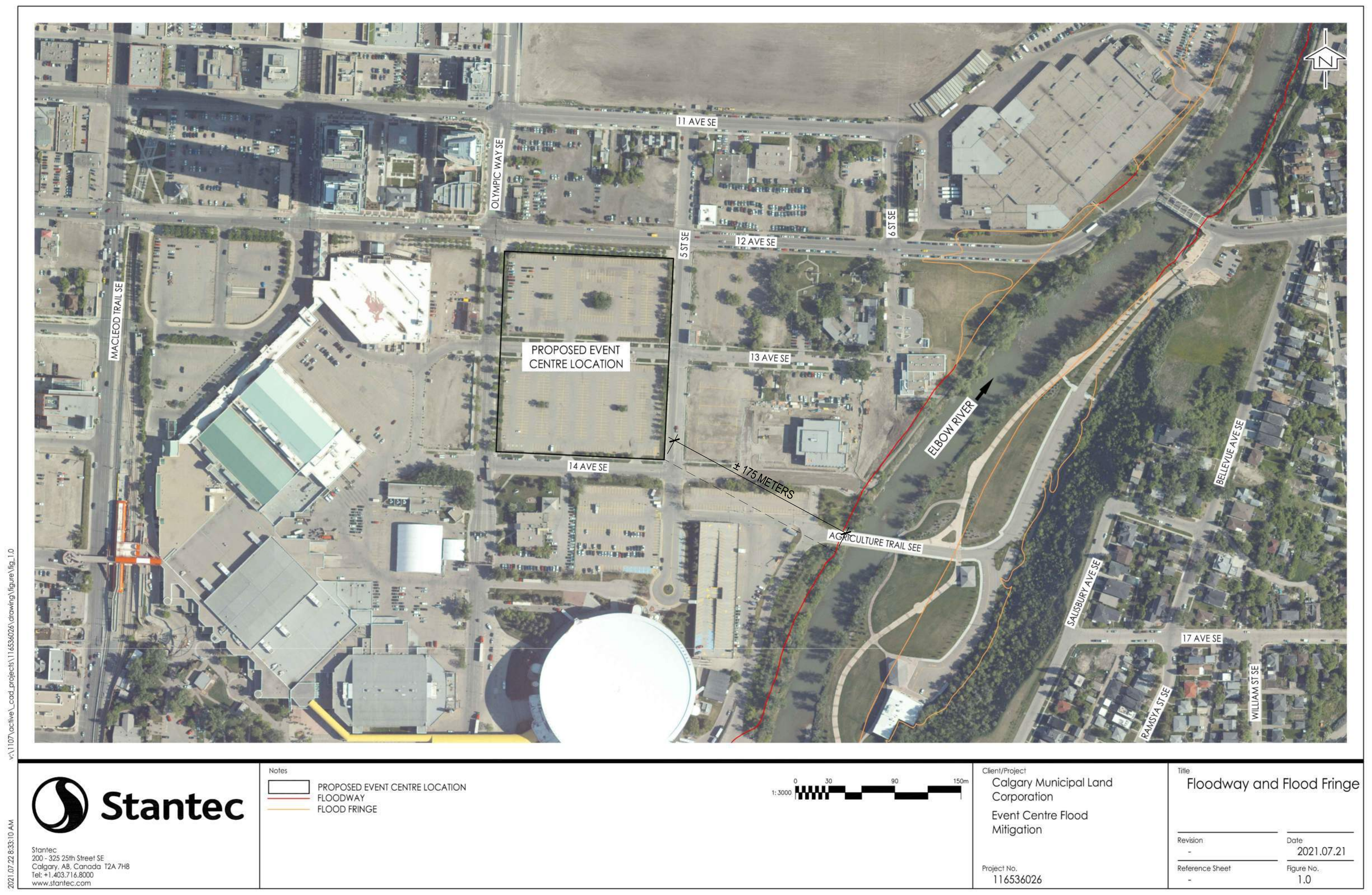
Date Plotted: Wednesday, July 14, 2021
SECTION 15C
21C
22C
23C
16C
14C
9C
10C
11C
DC
4Z2006
SITE 1


PROPOSED EVENT
CENTRE LOCATION
11 AVE SE
12 AVE SE
13 AVE SE
14 AVE SE
17 AVE SE
OLYMPIC WAY SE
MACLEOD TRAIL SE
5 ST SE
6 ST SE
ELBOW RIVER
± 175 METERS
AGRICULTURE TRAIL SEE
BELLEVUE AVE SE
SAUSBURY AVE SE
RAMSYA ST SE
WILLIAM ST SE
Stantec
Stantec
200 - 325 25th Street SE
Calgary, AB, Canada T2A 7H8
Tel: +1.403.716.8000
www.stantec.com
Notes
PROPOSED EVENT CENTRE LOCATION
FLOODWAY
FLOOD FRINGE
1: 3000
Client/Project
Calgary Municipal Land Corporation
Event Centre Flood Mitigation
Project No.
116536026
Title
Floodway and Flood Fringe
Revision
-
Date
2021.07.21
Reference Sheet
-
Figure No.
1.0

PROJECT DATA

LEGAL DESCRIPTION:
PLAN 2110110 BLOCK 4 LOT 1

MUNICIPAL ADDRESS:
519 12 AVENUE S.E

LAND USE DESIGNATION:
SPECIAL DISTRICT SITE 1 - DC4Z2006

PROPOSED USE:
MULTI-USE DEVELOPMENT CONSISTING OF AN ARENA TYPE "BOWL" WITH SEATING ARRANGEMENTS FOR BETWEEN 18,000 TO 20,000 SPECTATORS.
CEC IS INTENDED TO PRIMARILY HOUSE SPORTING EVENTS, CONCERTS AND SIMILAR ACTIVITIES. THESE EVENTS WILL BE SUPPORTED BY COMPLEMENTARY USES SUCH AS ADMINISTRATIVE OFFICES, RESTAURANTS, FOOD SERVICES, RETAIL, PARKING.

ABC CODE (2019) MAJOR OCCUPANCIES:
GROUP A, DIVISION 3, ASSEMBLY OCCUPANCY (SUPPORTING EVENTS AND OCASSIONAL USE OF TRADE SHOWS AND SIMILAR EXHIBITION)
GROUP A, DIVISION 2, ASSEMBLY (CONCERTS,RESTAURANTS)
GROUP E , MERCANTILE

GROSS BUILDING AREA

EVENT CENTRE :	67,896 M2
AT GRADE RETAIL:	3,683 M2
PARKING:	9,645 M2
TOTAL	81,255 M2

BUILDING GEODETIC ELEVATIONS
EVENT LEVEL : 1038.305
MAIN CONCOURSE : 1044.880
TOP OF HIGH RIBBON PARAPET : 1081.725

PARKING PROVIDED:
EVENT LEVEL 44 UNDERGROUND STALLS - Includes (1) BARRIER FREE
PARKING STRUCTURE : 190 STALLS - Includes (6) BARRIER FREE

LOADING STALLS PROVIDED:
EVENT LEVEL: 8 LOADING STALLS

BICYCLE PARKING PROVIDED:
CLASS 1:SECURED PARKING IN PARKADE GARAGE = 34 STALLS
CLASS 2: UNSECURED STALLS-STREET LEVEL = 118 STALLS

DIALOG®

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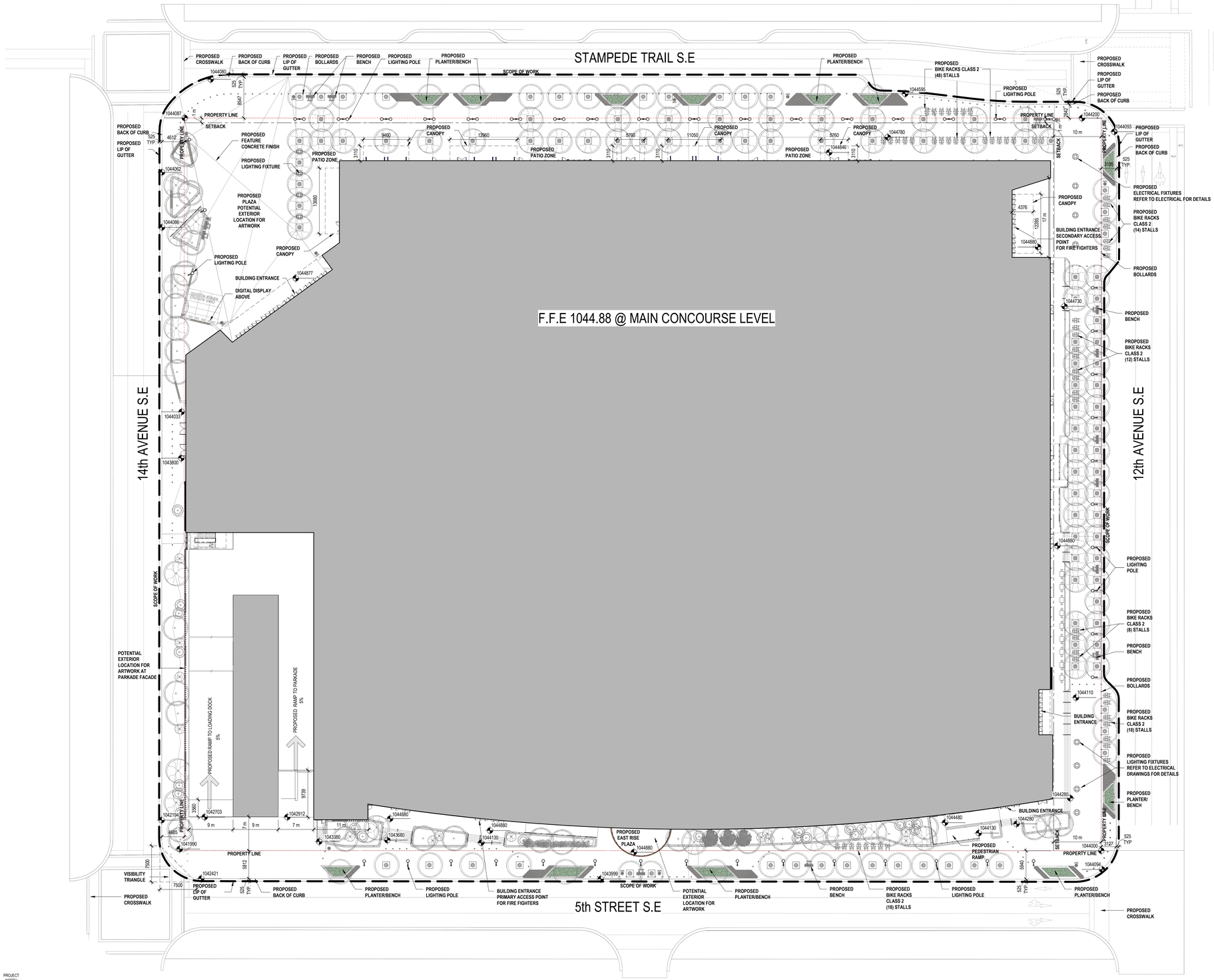
ROBERT A.F. ADAMSON REGISTERED ARCHITECT ALBERTA

CALGARY EVENT CENTRE
519 - 12th AVE SE, CALGARY, AB

PROJECT DATA AND FLOODWAY LOCATION PLAN

DPA0.101

2001931 PLOT DATE:8/3/2021 2:42:09 PM


STAMPEDE TRAIL S.E
14th AVENUE S.E
12th AVENUE S.E
5th STREET S.E
F.F.E 1044.88 @ MAIN CONCOURSE LEVEL
SCOPE OF WORK
PROPERTY LINE
SETBACK
PROPOSED CROSSWALK
PROPOSED BACK OF CURB
PROPOSED LIP OF GUTTER
PROPOSED BOLLARDS
PROPOSED BENCH
PROPOSED LIGHTING POLE
PROPOSED PLANTER/BENCH
PROPOSED BIKE RACKS CLASS 2 (48) STALLS
PROPOSED LIGHTING POLE
PROPOSED FEATURE CONCRETE FINISH
PROPOSED LIGHTING FIXTURE
PROPOSED PATIO ZONE
PROPOSED CANOPY
PROPOSED PLAZA POTENTIAL EXTERIOR LOCATION FOR ARTWORK
BUILDING ENTRANCE
DIGITAL DISPLAY ABOVE
BUILDING ENTRANCE SECONDARY ACCESS POINT FOR FIRE FIGHTERS
PROPOSED ELECTRICAL FIXTURES REFER TO ELECTRICAL FOR DETAILS
PROPOSED BIKE RACKS CLASS 2 (14) STALLS
PROPOSED BIKE RACKS CLASS 2 (12) STALLS
PROPOSED BIKE RACKS CLASS 2 (6) STALLS
PROPOSED BIKE RACKS CLASS 2 (18) STALLS
PROPOSED LIGHTING FIXTURES REFER TO ELECTRICAL DRAWINGS FOR DETAILS
PROPOSED PLANTER/ BENCH
POTENTIAL EXTERIOR LOCATION FOR ARTWORK AT PARKADE FACADE
PROPOSED RAMP TO LOADING DOCK 5%
PROPOSED RAMP TO PARKADE 5%
VISIBILITY TRIANGLE
PROPOSED EDP OF GUTTER
BUILDING ENTRANCE PRIMARY ACCESS POINT FOR FIRE FIGHTERS
POTENTIAL EXTERIOR LOCATION FOR ARTWORK
PROPOSED EAST RISE PLAZA
PROPOSED PEDESTRIAN RAMP
10 m
17 m
11 m
9 m
7 m

PROJECT NORTH

TRUE NORTH

1 / DPA1.104 SITE PLAN

SCALE: 1 : 300

GENERAL NOTE:

REFER TO LANDSCAPE DRAWINGS FOR OVERALL LANDSCAPE SITE PLAN, STREET CROSS SECTIONS, DESIGN DETAILS FOR PLANTERS/BENCHES, BICYCLE RACKS, ETC

REFER TO ELECTRICAL DRAWINGS FOR OVERALL SITE LIGHTING PLAN, TYPE OF FIXTURES, LOCATION AND QUANTITIES

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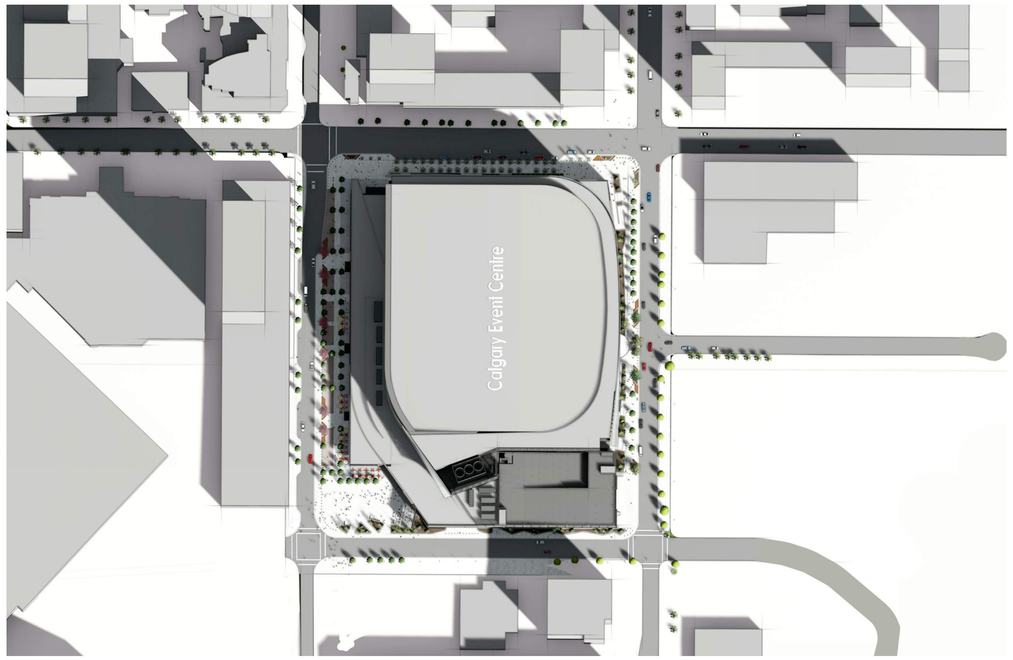
SITE PLAN - OVERALL

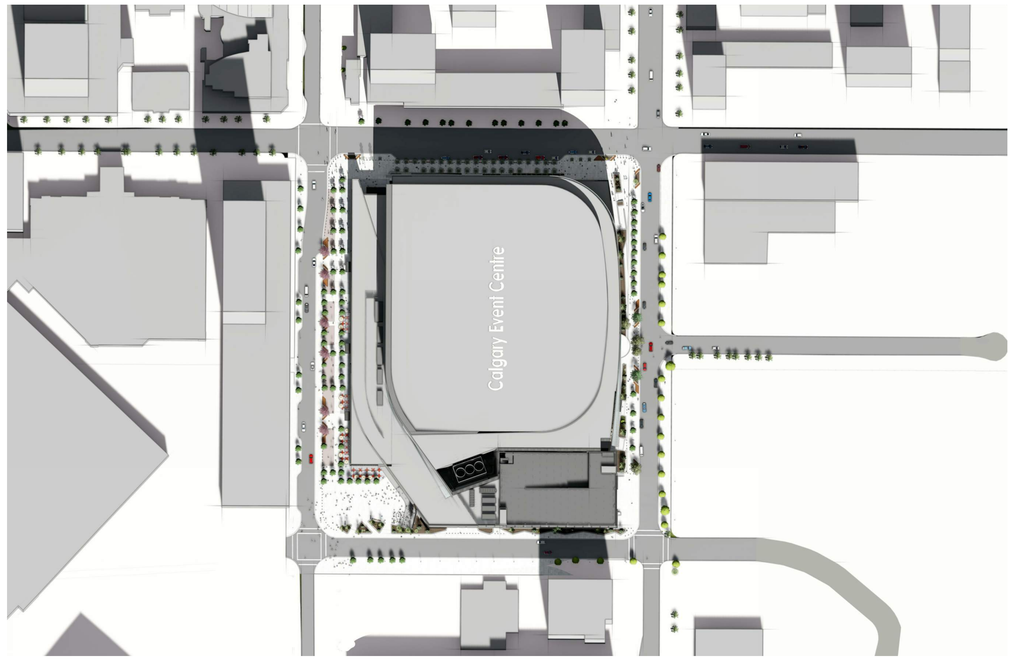
DPA1.104

2001931

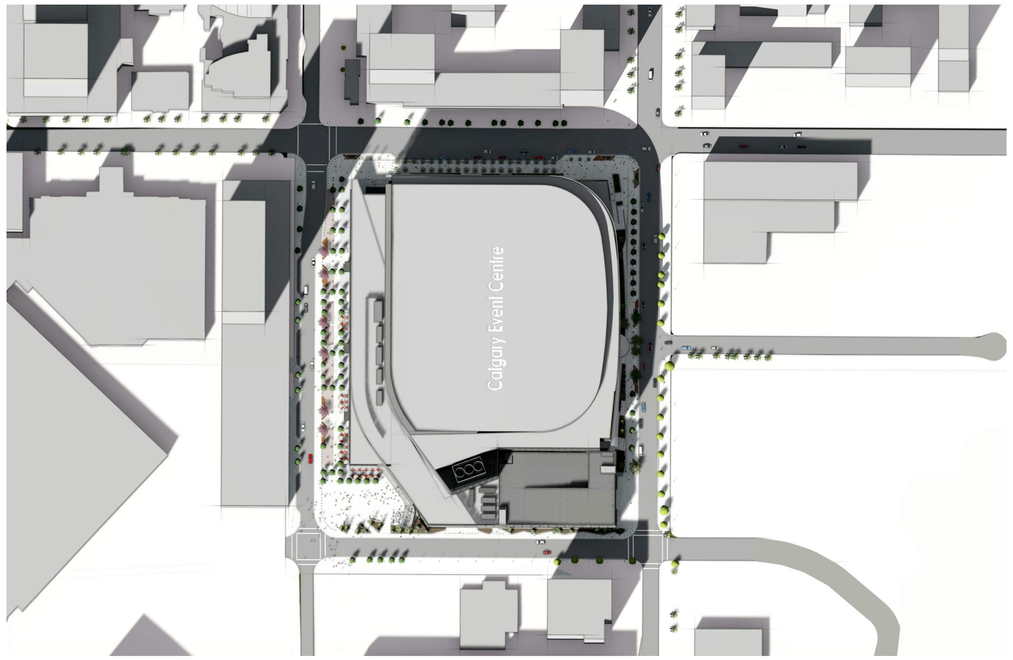
PLOT DATE: 8/3/2021 2:43:59 PM



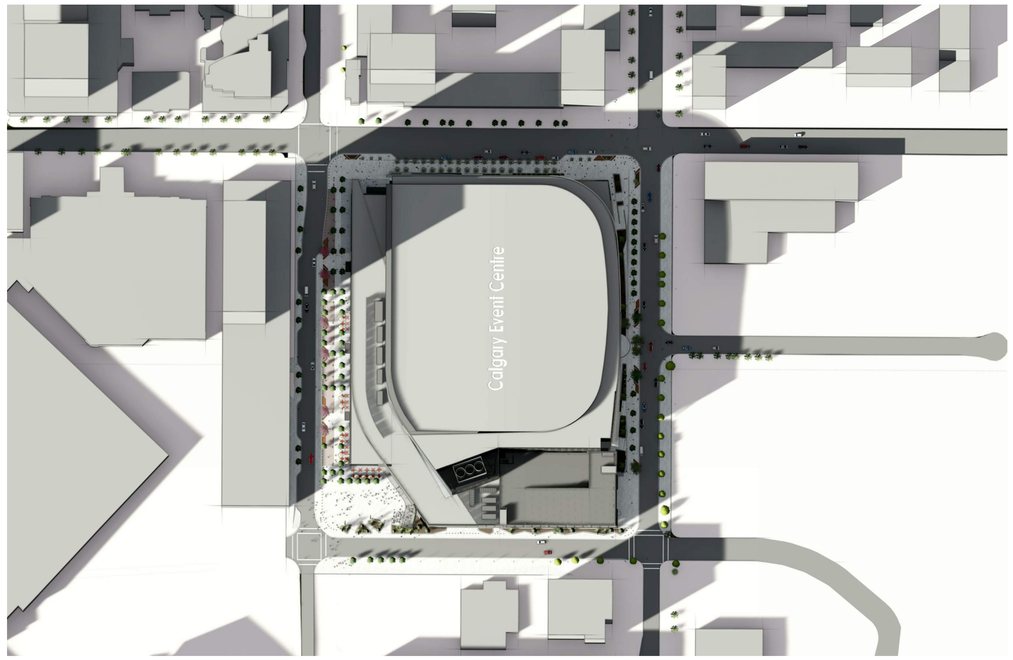
1 DPA1.109 September 21 Shadow Study - 10am
SCALE: 1 : 5



2 DPA1.109 September 21 Shadow Study - 12pm
SCALE: 1 : 5



3 DPA1.109 September 21 Shadow Study - 2pm
SCALE: 1 : 5



4 DPA1.109 September 21 Shadow Study - 4pm
SCALE: 1 : 5

* Note layout of context buildings based on potential future build-out of River District Master Plan

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CALGARY EVENT CENTRE

519 - 12th AVE SE, CALGARY, AB

SITE ANALYSIS - SHADOW STUDY

DPA1.109

2001931

PLOT DATE:8/3/2021 2:44:31 PM

A1
DPL0.100
bylaw plan
SCALE: 1 : 300

N

site legend

property lines

landscape area calculation legend	
	landscape area

planting calculations

Total Site Area = 29,050m2

Total Bldg and Access Area = 23,627m2

Residual (Landscape) Area = 5,423m2

Trees Required - On Site (Landscape Area / 35m2) = 5,423 / 35 = **155 Trees Total**

Total Trees Provided

On Site = 155 – In City Boulevard = 42

Requirements - Deciduous @2/3, Coniferous @ 1/3

Trees Provided:

Deciduous = 104 (88 @ 85mm cal., 16 @ 50mm cal.)

Coniferous = 51 (51 @ 3m Ht.)

bylaw calculations

Landscape calculations are based on the City of Calgary Land-Use Bylaw 2p80, section 33 (9), commercial districts and Bylaw 4Z2006, Amendment LOC2005-0057.

(9) LANDSCAPING

(a) Where a landscaped area is required, it shall be provided in accordance with the landscape plan and in conformity with the following requirements and standards:

(i) All areas of a site not covered by buildings, outside storage or parking areas shall be landscaped. 11P94

(ii) Where required private outdoor amenity space for dwelling units is provided within a required minimum landscaped area, it shall be considered as satisfying both requirements.

(iii) Existing soft landscaping retained on a site may be considered in fulfillment of the total landscaping requirement.

(iv) Except for City boulevards, trees shall be planted in the overall minimum ratio of one tree per 35 square metres of landscaped area provided.

(v) The quality and extent of the landscaping established on a site shall be the minimum standard to be maintained on the site for the life of the development.

(vi) All areas of soft landscaping shall be provided with an underground sprinkler irrigation system or other adequate means of irrigation.

(vii) In addition to all other landscaping requirements, all City boulevards adjoining the site shall be landscaped.

(b) Soft landscaping shall be provided as follows:

(i) All plant materials shall be of a species capable of healthy growth in Calgary and shall conform to the standards of the Canadian Nursery Trades Association for nursery stock.

(ii) The mixture of tree sizes at the time of planting shall be equivalent to a minimum of 50 percent larger trees.

(iii) The minimum size for deciduous trees shall be:

(A) for smaller deciduous trees, 50 millimetres caliper except 35 millimetres caliper for flowering ornamental trees, and

(B) for larger deciduous trees, 85 millimetres caliper. 1P85

(iv) The minimum size for smaller coniferous trees shall be a height of 2 metres and for larger coniferous trees, a height of 3 metres.

(v) Coniferous trees shall comprise a minimum proportion of 1/3 of all trees planted.

(vi) Wherever space permits, trees shall be planted in groups.

(vii) Shrubs shall be a minimum height or spread of 600 millimetres at the time of planting.

general landscape notes

1. this drawing has been prepared using information provided by Dialog and HOK architects on August 3rd,2021.
2. all drawings are property of landscape architect.
3. this design and drawing may not be reproduced without the permission of the landscape architect.
4. do not scale drawings.
5. all drawings are metric unless noted otherwise.
6. all landscape (public) shall be in accordance with City of Calgary standard specifications landscape construction, current edition.
7. all grades provided are all to finished grade, top of hard surfaces.
8. refer to IBI Group for finished road grades for perimeter roads.refer to separate DP submission.
9. refer to related disciplines as indicated on plans where applicable.
10. all soft landscape areas are to be sloped to ensure positive drainage away from structures.
12. All soft landscape areas to be irrigated by an automatic, underground irrigation system.

DRAWINGS LIST - LANDSCAPE	
DPL0.100	LANDSCAPE BYLAW PLAN
DPL1.100	OVERALL LANDSCAPE PLAN
DPL1.110	HARDSCAPE FINISH PLAN
DPL1.200	SOFTSCAPE PLAN
DPL2.100	ROAD CROSS SECTIONS

DIALOG

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CALGARY EVENT CENTRE

519 - 12th AVE SE, CALGARY, AB

LANDSCAPE BYLAW PLAN

DPL0.100

0005

PLOT DATE:2021-08-03 10:27:42 AM

Stampede Trail SE

14th Ave SE

12th Ave SE

5th Street SE

Calgary Event Centre

crosswalk

trees shown for illustrative purposes only

K4 bollard

K12 bollard

boulevard completed under seperate DP submission

exterior finishes and surface materials as per hardscape plan DPL1.110

East rise plaza

Trees as per softscape plan DPL1.200

1 DPL2.10 — 2 DPL2.10 — 3 DPL2.10 — 4 DPL2.10

1 DPL1.100 overall landscape Plan
SCALE: 1 : 250

Perimeter roads part of separate DP application

Site Furniture Legend	
Item	Count
K4 Bollard *	172
K12 Bollard *	19
*Bollard spacing max 1.5m on centre, with clear width between bollards minimum 1.2m	
City of Calgary Standard U rack 2 bicycle stands per rack	59 118
bench seating	13
waste receptacle	16

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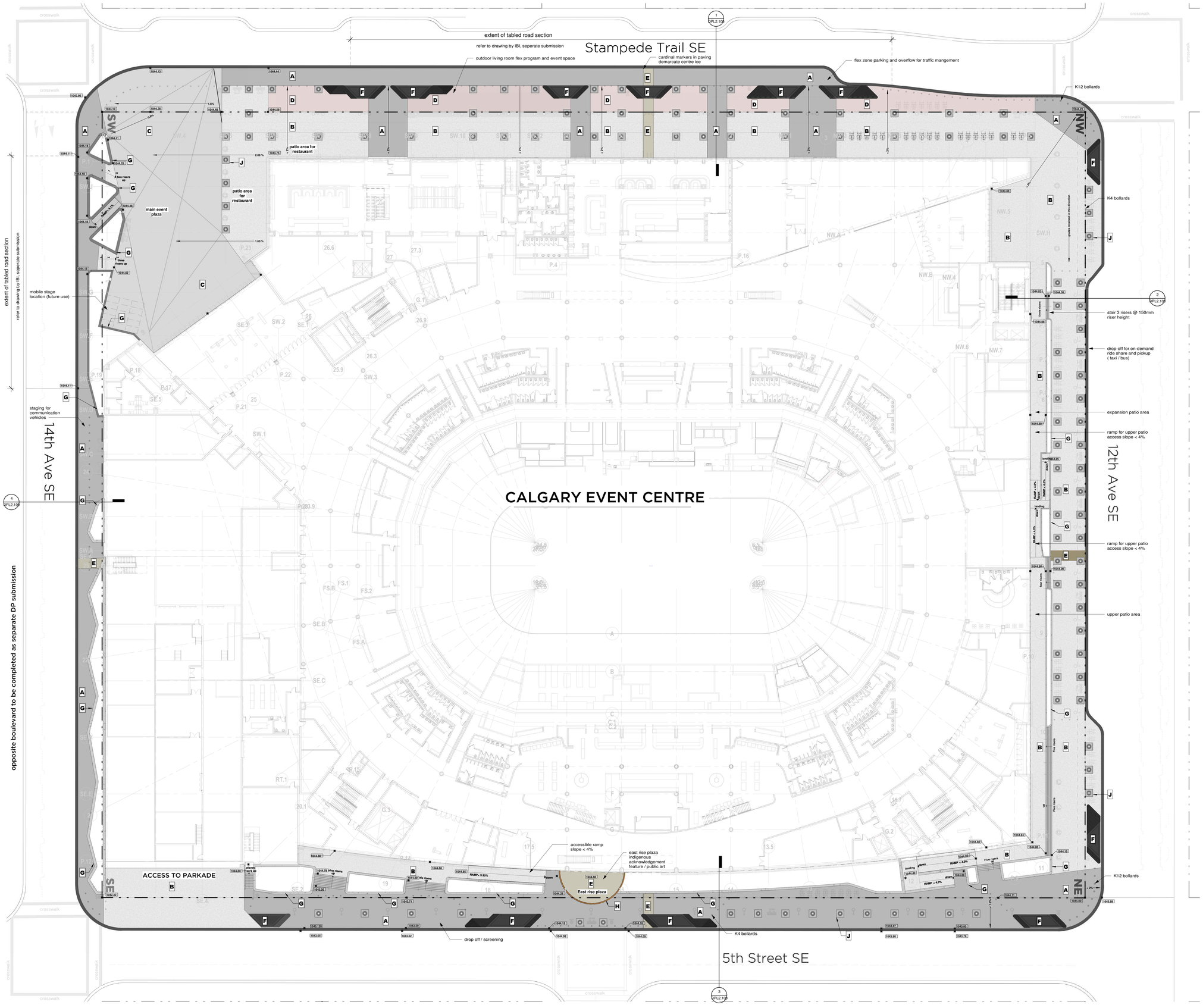
OVERALL LANDSCAPE PLAN

DPL1.100

0005

PLOT DATE:2021-08-03 11:53:51 AM


Stampede Trail SE
extent of tabled road section
refer to drawing by IBI, seperate submission
outdoor living room flex program and event space
cardinal markers in paving demarcate centre ice
flex zone parking and overflow for traffic mangement
K12 bollards
K4 bollards
patio area for restaurant
main event plaza
mobile stage location (future use)
staging for communication vehicles
14th Ave SE
12th Ave SE
5th Street SE
CALGARY EVENT CENTRE
ACCESS TO PARKADE
stair 3 risers @ 150mm riser height
drop-off for on-demand ride share and pickup (taxi / bus)
expansion patio area
ramp for upper patio access slope < 4%
upper patio area
accessible ramp slope < 4%
east rise plaza indigenous acknowledgement feature / public art
drop off / screening
opposite boulevard to be completed as separate DP submission

1 DPL1.110 **Hardscape Material Plan**
SCALE: 1 : 250

Hardscape Legend **	
Item	Description
A	Pavers to match CMLC streetscape
B	Decorative concrete finish 1
C	Decorative concrete finish 2
D	"Living room" decorative pavers
E	Feature pavers
F	custom planter with wood seat tops
G	concrete landscape wall max 450mm height
H	East rise plaza wall maximum height 900mm from grade with Guardrail
J	1500mm x 1500mm tree grate

*** Refer to site rendering for paving pattern and finishes***

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CALGARY EVENT CENTRE

519 - 12th AVE SE, CALGARY, AB

HARDSCAPE FINISH PLAN

DPL1.110

0005

PLOT DATE:2021-08-03 11:51:06 AM

Stampede Trail SE

Calgary Event Centre

14th Ave SE

12th Ave SE

5th Street SE

crosswalk

trees shown for illustrative purposes only

boulevard completed under seperate DP submission

trees outside of PL coordinated with event centre planting

off-site planting coordinated with street DP application and totals included in event centre planting totals.

East rise plaza

SW

NW

SE

NE

1 DPL2.100

2 DPL2.100

3 DPL2.100

4 DPL2.100

1 DPL1.200 Softscape Plan
SCALE: 1 : 250

2° 2.63°

Softscape Legend

Item / symbol	Description	Count
Large Deciduous 85 cal.	**Trembling Aspen** *Populus tremuloides* **Paper Birch** *Betula papyrifera* **American Elm** *Ulmus Americana* **Foothills Green Ash** *Fraxinus pennsylvanica*	**88**
Accent Deciduous 50 cal.	**Columnar Aspen** *Populus tremula 'Erecta'* **Clump Aspen** *Populus tremuloides 'Clump'* **Showy Mountain Ash** *Sorbus decora* **Chokecherry** *Prunus virginiana*	**16**
Large Coniferous 3m height	**Ponderosa Pine** *Pinus ponderosa* **Lodgepole Pine** *Pinus contorta* **Mountain Pine** *Pinus uncinata*	**29**
Accent Coniferous 3m height	**Hoopsii Spruce** *Picea pungens 'Hoopsii'* **Bakeri Spruce** *Picea pungens 'Bakeri'*	**22**
Large Deciduous 85 cal. (Outside PL)	**Trembling Aspen** *Populus tremuloides* **Paper Birch** *Betula papyrifera* **American Elm** *Ulmus Americana* **Foothills Green Ash** *Fraxinus pennsylvanica*	42
	Mixed Perennial Planting	
	1500mm x 1500mm tree grate	

Total trees provided

within PL and straddling	**155**
outside of PL (North, East and West)	**42**

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CALGARY EVENT CENTRE

519 - 12th AVE SE, CALGARY, AB

SOFTSCAPE PLAN

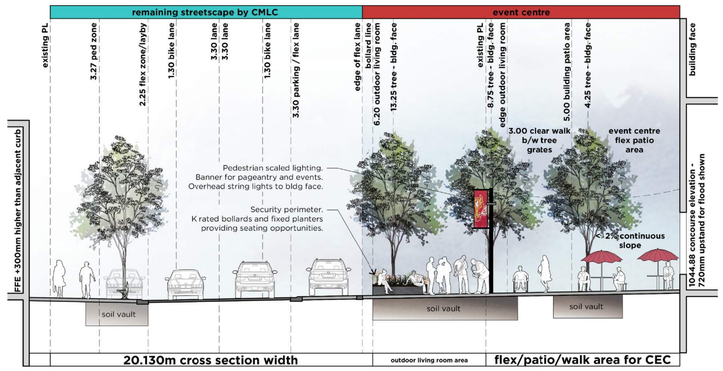
DPL1.200

0005

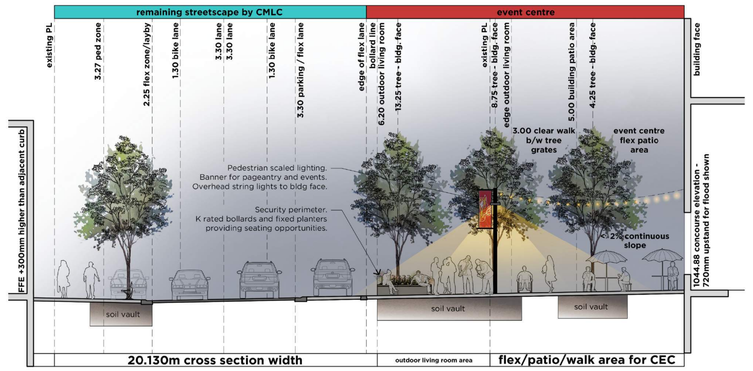
PLOT DATE:2021-08-03 11:56:52 AM

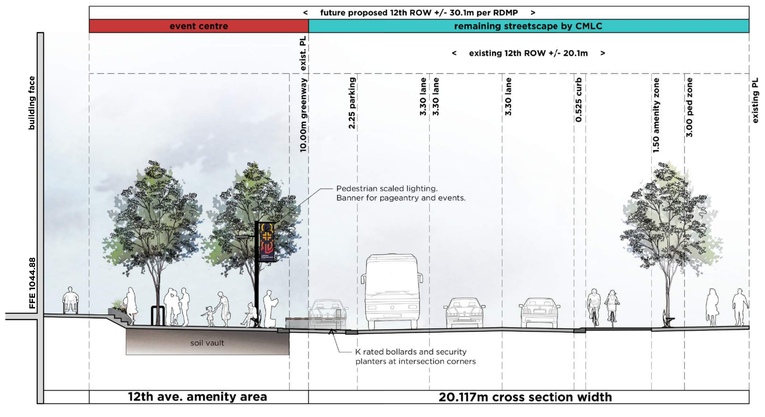
note

refer to drawings by IBI
(under seperate DP submission) for boulevards outside of PL and curb line for event centre.

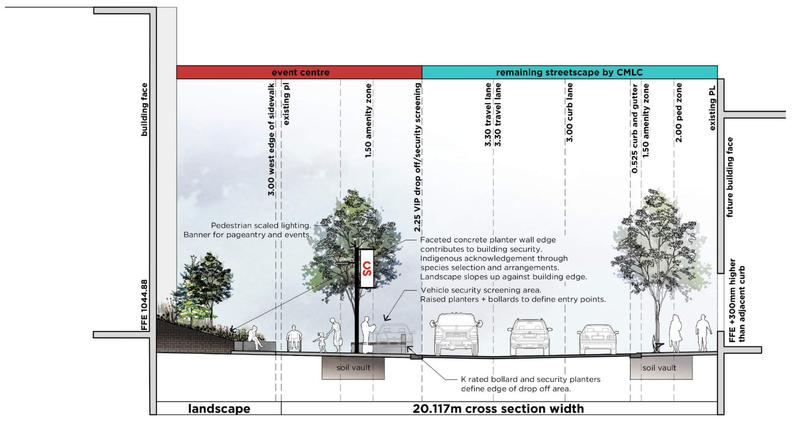


1 DPL2.100 Stampede Trail SE Cross Section (day & night)
SCALE: 1 : 100

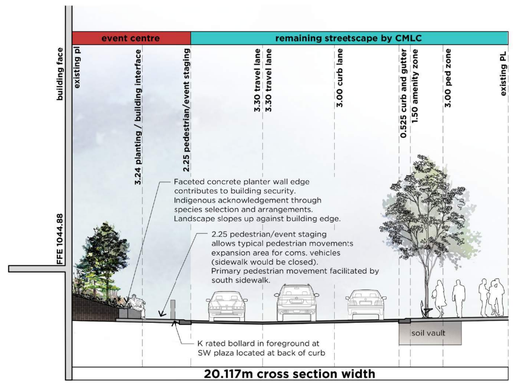




2 DPL2.100 12th Ave SE Cross Section
SCALE: 1 : 100



3 DPL2.100 5th Street SE Cross section
SCALE: 1 : 100



4 DPL2.100 14th Ave SE Cross Section
SCALE: 1 : 100

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ROAD CROSS SECTIONS

DPL2.100

0005

PLOT DATE:2021-08-03 12:06:00 PM